

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Previously Presented) A method for manufacturing a rotary member of a torque converter, the rotary member including a turbine shell of the torque converter, a plurality of blades fixed to an inner face of the turbine shell, and a driven plate of a lock-up device fixed to an outer face of the turbine shell, the method comprising:

fixing the driven plate to the turbine shell;

heating the turbine shell and the blades to fix the blades to the turbine shell by brazing; and

rapidly cooling the rotary member after heating the turbine shell.

2. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 1, wherein rapidly cooling the rotary member includes the rotary member being rapidly cooled immediately after the rotary member is cooled down to a certain temperature after heating the turbine shell and blades.

3. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 2, wherein the brazing is performed by heating such that a temperature of the rotary member reaches at least a melting point of the brazing material used for brazing, and

rapidly cooling the rotary member includes the rotary member being rapidly cooled when the temperature of the rotary member reaches an appropriate hardening temperature of the driven plate after heating the turbine shell and blades.

4. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 3, wherein rapidly cooling the rotary member includes the rotary member being cooled down to the appropriate hardening temperature or a mechanical melting temperature while keeping the temperature distribution of the rotary member within 100 degrees Celsius.

5. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 4, wherein the turbine shell and the blades are made of ultra low-carbon steel.

6. (Withdrawn) A rotary member of a torque converter manufactured by the method according to claim 5.

7. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 3, wherein the turbine shell and the blades are made of ultra low-carbon steel.

8. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 2, wherein the turbine shell and the blades are made of ultra low-carbon steel.

9. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 1, wherein the brazing is performed by heating such that a temperature of the rotary member reaches at least a melting point of the brazing material used for brazing, and

rapidly cooling the rotary member includes the rotary member being rapidly cooled when the temperature of the rotary member reaches an appropriate hardening temperature of the driven plate after heating the turbine shell and blades.

10. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 9, wherein rapidly cooling the rotary member includes the rotary member being cooled down to the appropriate hardening temperature or a mechanical melting temperature while keeping the temperature distribution of the rotary member within 100 degrees Celsius.

11. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 10, wherein the turbine shell and the blades are made of ultra low-carbon steel.

12. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 9, wherein the turbine shell and the blades are made of ultra low-carbon steel.

13. (Previously Presented) The method for manufacturing a rotary member of a torque converter according to claim 4, wherein the turbine shell and the blades are made of ultra low-carbon steel.

14. (Withdrawn) A rotary member of a torque converter manufactured by the method according to claim 1.